www.urbanhort.org

HORTICULTURE

UNIVERSITY OF WASHINGTON COLLEGE OF FOREST RESOURCES SUMMER 2003

2 SPECIAL EVENTS

3 MASTER GARDENERS CELEBRATE 30 YEARS

4 NEWS FROM CUH AND WPA

6 ARBORETUM FOUNDATION & NW HORT. SOCIETY

7 VOLUNTEER OPPORTUNITIES

8 CLASSES AND PROGRAMS

11 YOUTH AND FAMILY PROGRAMS

13 EVENTS CALENDAR

15 REGISTRATION FORM

16 DIRECTOR'S NOTES

Laura Zybas weighs rare plant seeds in the new Miller Seed Vault.

The Miller Seed Vault: Saving Seeds for the Future

LAURA ZYBAS, RARE CARE PROGRAM MANAGER

Can we save every rare plant species in the state of Washington in one 150 square foot room at the Center for Urban Horticulture? Yes we can, and a program has just been launched to achieve this goal. Seeds are the answer. Storing seeds under carefully controlled conditions is one way of conserving our natural heritage.

The Rare Plant Care and Conservation Program at CUH has been establishing the first plant conservation program for rare plants in Washington state. Program director Dr. Sarah Reichard and her staff, along with friends, champagne, and fanfare, unveiled the Miller Seed Vault on March 7. The Miller Charitable Foundation donated the funds to build and staff this long-term seed storage facility. It is an efficient, secure way to conserve the genetic diversity of Washington's rare plants.

The mission of the seed vault is to 1) collect and conserve seed of the over 400 rare plant species in Washington, 2) conserve the seed of native species used to restore native plant communities following a natural disaster, and 3) conserve the seed from horticultural varieties not commonly used today. Our seed vault joins a small but prestigious list of facilities working toward the same or similar goals. These include the Millennium Seed Bank at the Kew Royal Botanic Gardens and the National Seed Storage Laboratory in Fort Collins, Colorado.

CUH is a member of the Center for Plant Conservation (CPC), a network of botanical institutions with a common mission of conserving plants, tissue, and seed to prevent the extinction of native imperiled plants of the United States. The Berry Botanic Garden in Portland, Oregon is a charter member of the CPC and is the first regional seed storage facility for rare and endangered plants. Our goal is to collect from rare plant populations to ensure the reintroduction and expansion of these populations if and when necessary. *(continued on page 3)*

CENTER *for* URBAN HORTICULTURE

With the help of the Seattle Garden Club, many other donors, and the sale of more than 500 logs, the University of Washington has given the first $170,000 needed to build the Commons at Merrill Hall. Groundbreaking for Merrill Hall, construction is expected to take place in mid-August. Tile sales will continue through the end of the year. To purchase a tile, phone 206-685-8033.

SPECIAL EVENTS

Lecture: GARDENING WITH HISTORY

Speakers Glen Withey and Charles Price
Tuesday, September 30 at 7:30 p.m.
NHS Hall at CUH
Fee: $15

In 1914, Arthur Dunn purchased 10 acres of undeveloped rural land in what is now the Broadview neighborhood in Seattle. In May 1915, he approached the Olmsted Brothers, a landscape design firm based in Brookline, Massachusetts, to locate a cottage and prepare a landscape plan for what would become the Dunn family's summer "country place". Today this beautiful Olmsted-designed landscape is still largely preserved and on the National Historic Register.

As part of the Olmsted Centennial Celebration, CUH joins with the E. B. Dunn Historic Garden Trust to host a lecture given by two of the northwest's leading garden designers, GlennWithey and Charles Price. For the last five years, Glenn and Charles have served as curators of the Dunn garden and will speak on the unique challenges of caring for this historic garden. See additional details on page 9.

Tour of Dunn Garden

Friday, October 3 at 9:30 a.m.

Tour the E. B. Dunn Garden's majestic woodland plantings and great lawn under towering beeches, oaks, and conifers. See additional details on page 9.

Director's Notes *(continued from page 16)*

absorbed historical budget cuts, this budget cut (and the strong likelihood of another in a year) will mean major losses in some programmatic offerings or services.

Simultaneously, the College has been under extraordinary pressure to revise its undergraduate curricular offerings in order to attract more students. The strong visibility of the undergraduate and graduate programs in Environmental Horticulture and Urban Forestry (EHUF) will be lost. EHUF will now be one of several tracks within a new, integrated curriculum. Although this curriculum has received wide praise and support from diverse internal and external sources, it represents risk, change and uncertainty to CUH– all elements, when coupled with budget cuts, fire recovery and rebuilding, that create loss of morale and confusion regarding the future. The Center has engaged its supporters and stakeholders in these discussions and will continue to do so under a new Director.

TOM HINCKLEY, PhD, DIRECTOR, CENTER FOR URBAN HORTICULTURE

Seed Vault *(continued from page 1)*

Seeds are separated from plant debris during processing.

Low temperatures and low moisture levels serve as a strategy for winter or dry season survival. Research has shown that seeds store optimally when dried to between 15 and 25% relative humidity and that lowering the storage temperature to -18°C has a four to five-fold increase in seed shelf life. The new seed vault incorporates these research results. Reinforced for earthquake protection, the vault has a four-hour fire enclosure. The vault has a work room, a short-term storage room, and a long-term storage freezer. Both the work room and the short-term storage room are temperature and humidity controlled to quickly dry the seeds and keep them dry as we clean, count, and process the seeds for long-term storage. Seeds are placed in foil laminate bags and heat sealed to moisture-proof the seeds. They are then stored long-term in the -18°C freezer.

Viability Testing

Once seeds are stored they must be periodically tested to see if they are still alive. We measure their viability and experiment with the necessary germination requirements for each species. We do this work on a small scale so as not to jeopardize the collection. As seeds become less viable, more seed must be collected. Collection is done by professionals and volunteers using collection techniques developed by the CPC; agencies can send seeds from populations they manage and volunteers will be trained to assist.

This "insurance policy" is part of an integrated conservation strategy – in no way is it meant to be the sole means of protection for these plants. CUH, together with the Miller Foundation and land managing agencies, will use this facility as an important part of a plan to ensure that Washington's native flora lives on for future generations.

Master Gardeners Celebrate 30 Years

The Master Gardener program is hosting a Horticultural Symposium on July 20 to honor 30 years of serving the gardening public. The celebration will feature local gardening celebrities Dan Hinkley, Cisco Morris, and Jim Wilson from the Victory Garden Series and will highlight a program that has been so successful that all 50 states as well as other countries now have their own. With plant diagnosis and problem solving as ever a major emphasis of Master Gardeners, programs now also include water quality and the welfare of youth, senior citizens and persons with disabilities.

It came about in 1972 when faculty members from WSU Cooperative Extension realized that the public demand for reliable gardening information required time that they did not have. So Dr. David Gibby, Arlen Davison, Bernard Wesenberg, Bill Scheer and others discussed the idea of training volunteers who would serve as plant problem solvers. Although skeptics wondered if there were enough volunteers willing to complete the 55 hour training session, 300 people applied for 120 available spots.

Master Gardener clinics were set up around the state thanks to Sharon Collman, now a CUH graduate student. Sharon volunteered 40 to 50 hours a week, working with Dr. Gibby to educate the new team of Master Gardeners, and to establish consistent procedures across the state. The program was a hit from the start, and most counties now have their own program.

Master Gardeners today volunteer thousands of hours in many programs including plant diagnostic clinics, demonstration gardens, adult and youth education. They teach classes, write articles, and provide web resource information. Future challenges are great with continual eroding of local funding for the program. No one can argue the fact that the Master Gardener program serves as a stellar example of people giving back to their community to enhance the environment and foster community stewardship. Visit the Master Gardener website (*www.metrokc.gov/dchs/csd/wsu-ce/Gardening/*) for locations of demonstration gardens, gardening tips and information on how to become a Master Gardener.

CENTER FOR URBAN HORTICULTURE SUMMER 2003

News from CUH and WPA

NHS Donates $40,000 to Miller Library

The Northwest Horticultural Society's "Blueprint for the Future" library auction on May 4 raised $40,000 for the Miller Library's furnishings fund. Lightning and thunder did not dampen the enthusiasm of the 160 in attendance as they bid on over 200 donated items ranging from choice garden plants to tugboat rides. NHS is nearing the 3/4 mark toward its goal of raising $200,000 for library furnishings. Many thanks to all who have invested in the library's future.

Library Resources for Children and Adults

Help children learn to love nature and gardens by introducing them to books about why plants flower and how trees grow. The Miller Library maintains a Children and Nature booklist with annotations for over 70 books for kids and adults teaching children. Some books tell a story about nature, other books are action oriented with hands-on learning activities. Many of the books are also available from our local public libraries. Go to *www.millerlibrary.org* > Resource Center > Children's Books.The library website at *www.millerlibrary.org* has updated lists of local plant sales and plant tours as well as links to a variety of gardening resources.

Sustainable Community Landscapes Wins Award

Sustainable Community Landscapes (SCL) program, under the direction of Dr. Linda Chalker-Scott, was presented with the Earth Heroes in Schools award on May 1 by King County Executive Ron Sims. This award was given in recognition of previous and ongoing projects with Garfield High School, Nathan Hale High School, NOVA High School, and Our Lady of the Lake School. The Earth Heroes in Schools Program is part of the broader King County Earth Legacy Initiative, which celebrates the importance of protecting and enhancing the natural environment. The initiative recognizes a number of programs working hard to maintain the rich integrity of our region. A big thanks to all the SCL partners; this recognition would not have been achieved without you!

Arboretum Adds New Trees to Collection

Check out the following new additions to the Arboretum collection on your next visit. An 11 foot tall Japanese maple, *Acer palmatum* 'Shishigashira', was planted on Azalea Way at the Woodland Garden entrance. A *Clerodendrum trichotomum* was planted in memory of Jeannine Currie, a longtime WPA volunteer. This tree from her garden now sits next to the Graham Visitors Center. A 50 foot tall *Gingko biloba* specimen was planted in the Pinetum.

Ongoing projects in the Arboretum include "houseclearing" the oak collection to remove non-oak species; opening up the view in Tulip Tree grove by removing cedars; reducing future root rot disease in the holly collection by thinning and removing some of the overstory layer; and planting Seattle Trident oaks *(Quercus x bushii)* back in the Arboretum where they originated. Visit the Arboretum's website *(www.wparboretum.org)* for more information on plant management issues and activities. Click on "Plant Stewardship".

Chris Berry Named WPA Education Coordinator

Chris Berry was hired in April to manage education programs in the Arboretum. She is former training coordinator for the Program for Early Parent Support and spent two years as a volunteer leader managing the fundraising and construction of the Cottage Lake Elementary School Outdoor Classroom project. We welcome her to the Arboretum!

New Director for Seattle Youth Garden Works

Laurie Mestres came on board to Seattle Youth Garden Works in January, bringing a degree in non-profit management and a love for kids and gardening. Her fresh approach has already contributed significantly to their continuing endeavor to "empower underserved youth through garden-based education and employment."

Help support this deserving program by purchasing their youth-grown produce at the Columbia City and University District Farmer's Markets now through early November. Learn more about this program at their website *www.sygw.org*.

Plant Answer Line

Continue to send your puzzling plant questions to the Miller Library Plant Answer Line. Here are a recent sampling of questions from gardeners:

QUESTION: Yikes! Aphids are attacking my roses and tomato plants. What is an environmentally friendly cure?

ANSWER: Several organic remedies are described in *Great Gardening Formulas: The Ultimate Book of Mix-It-Yourself Concoctions for Your Garden*, edited by Joan Benjamin. Here are two of her ideas:

1) Place one half to one cup of rubbing alcohol and one quart water in a pump spray bottle. Test spray on a leaf to check for burning. Wait for one day and check for damage before treating the entire plant. Do not use it in the heat of day.

2) Spread a 30-inch-wide sheet of aluminum foil on the ground as a mulch. The shimmer scares away aphids and thrips.

QUESTION: My cat got through the chicken wire I use to protect my kiwi vine and destroyed the plant. Can I propagate kiwi by sticking a cutting in the dirt, and why does my cat hate the vine?

ANSWER: Kiwi *(Actinidia)* can be propagated by stem cuttings. Detailed instructions are in the American Horticultural Society's *Plant Propagation: The Fully Illustrated Plant-by-Plant Manual of Practical Techniques*. And, your cat doesn't hate kiwi-she loves it! It is such a potent cat narcotic that zookeepers used to use it to tranquilize big cats.

QUESTION: Why does my (fill in the blank) refuse to flower?

ANSWER: This is a complex problem, but it can be attributed to one of five causes:
Plant Age. Many woody plants do not flower during "juvenile" growth, but will do so as they mature.
Temperature. Very cold temperatures play an important role in flowering plants.
Light. Photoperiod, the number of hours of light and dark to which a plant is exposed each day, controls the flowering of many plants.
Nutrition. Vigorous plants with a great deal of foliage and new shoots may fail to bloom. Excessive fertilization, especially with nitrogen, promotes vegetative growth rather than flowering.
Pruning. Some plants produce flowers on "old wood," or wood that developed the previous fall. If that old wood has been pruned, the flower buds may have been removed.

QUESTION: I have a beautiful Rhododendron that I don't want. Who will take it?

ANSWER: Try Plant Amnesty's "Adopt-A-Plant Program". For full information, log onto their website at *www.plantamnesty.org* and click on Programs and Events, then Adopt-A-Plant.

Plant Answer Line

The Plant Answer Line is open from 9 a.m. until 5 p.m. Monday through Friday. Call UW PLANT, 206-897-5268, or e-mail your question to: *hortlib@u.washington.edu*

Summer hours for the Elisabeth Miller Library are: Monday 9 a.m. to 8 p.m. , Tuesday through Friday 9 a.m. to 5 p.m., and Saturday 9 a.m. to 3 p.m. THE LIBRARY WILL BE CLOSED ON SATURDAYS during July and August.

Arboretum Foundation

For recorded information on Arboretum events and programs, please call 206-543-8800 or visit the Foundation website at: *www.arboretumfoundation.org*

Arbor Vita

Saturday, July 26, 6 p.m.

A new event in 2003, Arbor Vita is a delightfully elegant evening of dining, dancing and strolling among the magnificent trees of Washington Park Arboretum. Guests will enjoy fine seasonal pacific northwest cuisine and the swinging sounds of a live big band. Tickets are $375 or $500 per person. For more information, or to receive an invitation, phone Penny Lewis at 206-325-4510.

Fall Bulb and Plant Sale

Sunday, October 4, 10 a.m. to 3 p.m.

A local favorite returns with hundreds of bulb varieties and plants from leading Pacific Northwest nurseries and vendors. The sale will be held at the Graham Visitors Center in Washington Park Arboretum.

Ongoing plant sales onTuesdays from 10 a.m. to noon, Wednesdays 10 a.m. to 2 p.m., and second Saturdays from 10 a.m. to 2 p.m.

Northwest Horticultural Society

Rare Plant Auction

Friday, September 12

Wine and cheese reception begins at 7:00 p.m. Auction begins at 7:30 p.m. Guy Cooper, author of *Paradise Transformed* and *Gardens of the Future* will present slides and lecture about the amazing contemporary gardens featured in his books. For more information, see the website at *www.northwesthort.org*, or phone 206-527-1794.

Fall Plant Sale

September 12, 2:30 to 6:30 p.m.
September 13, 9:00 a.m. to 4:00 p.m.

Thirty-five of the Northwest's best growers will bring a stellar line-up of plants. Located in NHS Hall and the CUH parking lot.

volunteer NEWS AND OPPORTUNITIES

Union Bay Opportunities:

CUH Reception Desk Volunteers Needed:

Interact with visitors, faculty, staff, and students while helping out with phone calls, light office work, and answering general questions. No experience necessary. There are several 3 and 4 hour weekday shifts available. Call Ray Larson at 206-616-9113.

CUH volunteer Jody Davis tends to the weeds.

Union Bay Gardeners Needed

Volunteers are needed to maintain the Union Bay Gardens located at the Center for Urban Horticulture. The gardens contain a variety of plant types ranging from vines and herbaceous perennials to native woody shrubs and trees. Seasonal maintenance tasks are performed throughout the year rain or shine, so workers should dress appropriately. Work may be performed individually or in small groups 3 to 4 hours per week. Please contact Barbara Selemon at 206-685-2613 or e-mail *selemon@u.washington.edu.*

Rare Plant Seed Collectors and Processors

We are looking for volunteers to help collect seed from rare plants across the state and others to clean and process seed for the new Miller Seed Vault. Collectors need skills in plant identification and a willingness to travel. If interested, phone Program Manager Laura Zybas at 206-616-0780 or e-mail her at *lzybas@u.washington.edu.*

Seattle Youth Garden Works

Enthusiastic adults needed to work with youth crews at garden sites in the University District and South Park. Have fun planting, maintaining and harvesting crops while providing positive role models for homeless and at-risk youth. We are also looking for larger groups of volunteers to participate in occasional work parties, and volunteers for our upcoming fundraising auction. For more information, contact Shannon at 206-525-1213, ext. 3133 or e-mail *volunteer@sygw.org.*

Arboretum Opportunities:

Volunteers needed at the Arboretum

Volunteers provide a vital source of support caring for Arboretum plant collections and managing invasive weeds. Become a regular Tuesday gardener every week from 12:30 to 3:30 p.m. Tasks will vary with the season. Community service groups are also encouraged to lend a hand in one of many areas needing attention. Many hands make light work. Work parties can be scheduled throughout the year. Please phone David Zuckerman at 206-616-4050.

WPA Information Desk

Greet visitors, share your enthusiasm, answer questions, and interact with staff and other volunteers in the stimulating environment at the Arboretum. Shift times are either half or whole days once a week. Phone Brett Mercier at 206-543-8800.

Saplings Guide Training September 15-19

Here's an opportunity to introduce children to the wonders of horticulture and the treasure of the Arboretum through the popular Saplings School Programs. Volunteers are needed to conduct these programs which are geared for children grades K-8. New saplings guides are asked to commit to a 3-hour training session on either September 16 or 18. All levels of experience are welcome. Phone the WPA Education Department at 206-543-8801 for questions or to sign up for training.

classes AND PROGRAMS

My Garden and How I Do It: Hedgepeth/Medlin Garden

DATE & TIME: *Saturday, July 19, 10 to 11:30 a.m.*
INSTRUCTOR: *Jeffrey Hedgepeth*
LOCATION: *Map provided at registration*
FEE: *$30 general public; $25 Arboretum Foundation Members; pre-registration required*

An array of tropicals and their more hardy friends share space in this captivating small urban garden that won grand prize in the 2000 Pacific Northwest Garden Competition. For 12 years, Jeffrey Hedgepeth has created layers and verticality in his spaces to draw you into the journey through his garden. Big plants help create the drama, and crowd control manages it. Be surprised as you wind your way past conversational niches, small pools, and surprise objets d'art. Discussion, refreshments, and tour. Class size limited to 15 people.

Summer Pruning

DATE & TIME: *Tuesday, July 22, 7 to 9 p.m.*
INSTRUCTOR: *Cass Turnbull, Certified Arborist*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; pre-registration required*

Summer is a fine time to prune, especially to reduce sucker or watersprout growth and to limit spread of fungal or bacterial diseases. Cass Turnbull, founder of Plant Amnesty, will lecture on topics specific to pruning in summer. These include, but are not limited to, Japanese maples, cherry trees and other ornamental trees prone to disease, hedges, wisteria, ivy, and deadwooding. Basic pruning skills and types of pruning cuts will also be covered and resource handouts will be provided. Bring your questions!

How to Hire the Right Landscape Help

DATE & TIME: *Thursday, July 24, 7 to 9 p.m.*
SPEAKER: *Linelle Russ, Principle of Morning Dew Gardens*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation Members; pre-registration required*

Led by hort instructor and consultant Linelle Russ, representatives from several professional organizations will join in a panel discussion to help homeowners make wise decisions when hiring landscape professionals. Organizations represented will include International Society of Arboriculture, Association for Women in Horticulture, Plant Amnesty, and Washington Association of Landscape Professionls. Topics include how to know when you need help, what questions to ask when interviewing a landscaper, and how to get the maximum benefit from an interview.

Garden Photography

DATE & TIME: *Friday, August 8, 7 to 9 p.m. and Saturday, August 9, 9 a.m. to noon and 6 p.m. to 9 p.m.*
INSTRUCTOR: *Allan Mandell, Garden Photographer*
LOCATION: *Douglas Classroom, CUH*
FEE: *$90 plus film processing; pre-registration required*

This class was so popular in spring that Allan graciously agreed to hold additional sessions. This class is for gardeners and/or photographers who know how to use their cameras and aspire toward capturing the spirit of the garden on film. We will work toward a new understanding of what it means to practice photography. After a Friday evening introductory lecture, students will receive specific visual training during a Saturday morning shoot at the Bellevue Botanic Garden. Film will be processed that day for the evening potluck/critique at CUH.

Class size is limited to 20 people. Allan Mandell is an award-winning professional garden photographer. His books include *Artists in their Gardens* and *Naturalistic Gardening*.

My Garden and How I do It:
Valhalla Garden

DATE & TIME: *Saturday, September 13, 10 a.m. to noon*
INSTRUCTOR: *Linda McDonald*
LOCATION: *Map provided at registration*
FEE: *$30 general public; $25 Arboretum Foundation Members; pre-registration required*

The evolution of garden and gardener is the inspired theme for this class. Linda McDonald gardens on a small urban contemporary lot placing an emphasis on foliage, texture and amazing plant combinations. Highlights include the acanthus walk, foliage and color, and the concept of multi-determinism. In a slideshow followed by a garden tour, Linda will discuss the garden's (and her own) development as it evolved from rhodies, vine maples and lawn to the stunning artistic display it is today.

Gardening with History

DATE & TIME: *Tuesday, September 30, 7:30 p.m.*
SPEAKERS: *Glenn Withey and Charles Price, curators of the Dunn Garden*
LOCATION: *NHS Hall, CUH*
FEE: *$15; pre-registration required*

As part of the year-long Olmsted centennial celebration, reknowned landscape designers Glenn Withey and Charles Price will present a lecture and slideshow on the 90-year history and evolution of the Dunn Garden. Glenn and Charles will discuss how they have adapted to the challenge of working in a shady environment and in an historical garden. Preserving the character of this Olmsted-inspired garden while extending its seasonal beauty has been their aim as curators. This is a unique opportunity to hear two talented, visionary plantsmen speak about garden design with history in mind.

This lecture is jointly sponsored by CUH and the E. B. Dunn Historic Garden Trust.

Pond and Water Garden Basics

DATE & TIME: *Tuesday, September 16, 7 to 9 p.m.*
INSTRUCTOR: *Dianne Torgerson, owner of Oasis Water Gardens*
LOCATION: *Douglas Classroom, CUH*
FEE: *$25 general public; $22 Arboretum Foundation members; pre-registration required*

Dianne Torgerson, owner of Oasis Water Gardens, will speak on the fundamentals of introducing a water feature into your landscape. Bogs, streams and waterfalls will be covered as well as design and positioning, borders, edging, membrane options, plumbing, wiring, and filtration. And, of course, how to select and nurture a variety of aquatic plants and livestock.

Tour of the Dunn Garden

DATE & TIME: *Friday, October 3, 9:30 a.m. to 12:30 p.m.*
LOCATION: *meet at CUH parking lot*
FEE: *$35; pre-registration required*

Visit the historic Dunn Garden and learn about the Olmsted-inspired elements that have made this garden one of Seattle's treasures. In this woodland setting of deciduous shade trees and native conifers, cyclamen and aconitum are in abundance amidst the sweeping expanse of lawn. Transportation and garden admission are included in the fee.

Register by phone using Visa or MasterCard. Please phone 206-685-8033. To register by mail, complete and send in the registration form on page 15.

practical gardening lectures

These lectures and demonstrations are planned jointly with the WSU Cooperative Extension Community Horticulture Program and EPA Region 10. They are presented by Cooperative Extension staff and experienced WSU Master Gardeners.

Salads-on-the-Go

DATE & TIME: *Tuesday, July 15, 7 to 8:30 p.m.*
INSTRUCTOR: *Phyllis Sturges, Master Gardener*
LOCATION: *Douglas Classroom, CUH*
FEE: *$10; pre-registration required*

Plant a salad container garden now for harvest in late summer through the fall. Greens, radishes, carrots, and parsley are just some of the possibilities. Toss in some herbs or edible flowers and you have a ready-made gourmet salad. Phyllis Sturges will discuss the vegetable varieties that do best when started mid to late summer, soil prep, fertilizer needs, and winning container combinations.

Gardening for the Soul

DATE & TIME: *Tuesday, September 9, 7 to 8:30 p.m.*
INSTRUCTOR: *Peggy Morgan, Master Gardener*
LOCATION: *Douglas Classroom, CUH*
FEE: *$10; pre-registration required*

Certain colors or fragrances in a garden may stir warm, comforting memories that nurture us. Or the peacefulness that comes with working in the soil may renew our souls. In this interactive presentation, Peggy Morgan will explore how gardening can be therapeutic. She will also discuss the elements that go into the creation of a healing garden such as a knowledge of and respect for the environment. Come learn how to make a garden that relaxes and restores.

Preparing for West Nile Virus

DATE & TIME: *Wednesday, July 16, 7 to 8:30 p.m.*
INSTRUCTOR: *Sharon Collman, IPM Coordinator, EPA Region 10*
LOCATION: *Douglas Classroom, CUH*
FEE: *$10; pre-registration required*

West Nile Virus has barely arrived in Washington state. This is the summer to begin taking precautions for yourself, your family, and pets. Sharon Collman will share the basics of mosquito biology and control, and provide common-sense tips on preparing your home and garden as well as your family for what's to come.

arboretum adult tours

Enjoy the seasonal splendor of the Arboretum. Tours are led by trained Arboretum guides and last from 60 to 90 minutes. Topics include plants of seasonal interest, Foster Island ecology, native plants, and ethnobotany. Tours are available year-round between 10 a.m. and 3 p.m., seven days a week. Fees are $15 per group of 15 or $10 for Arboretum Foundation members. Phone 206-543-8801 to reserve a guide; three weeks advanced reservation required.

Weekend Walks at One

Weekend walks highlight areas of the Arboretum and collections with seasonal interest. Walks depart from Graham Visitors Center the first Sunday of the month at 1 p.m. Call ahead to ensure a weekend tour, 206-543-8801.

youth and family programs

For more information or to schedule the following programs, contact the Arboretum Education Office, weekdays 9 a.m. to 3 p.m. at 206-543-8801.

Self-Guided Family Packs

Investigate the wonders of the Arboretum using our self-guided pack program. Arboretum packs come with easy-to-follow activities, maps, field guides, games and more. Family Packs are designed for groups of five or less. They are available year-round from 10 a.m. to 3 p.m. at the Graham Visitors Center Front Desk. $5 fee for two-hour rental. FREE to Arboretum Foundation Members and Arboretum Guides.

FAMILY TREE PACK (Grades K-3) Investigate the wonders of a living museum. Focus on leaves, buds, flowers, fruit and bark. Learn about pollination by doing it yourself!

WETLAND WONDERS (Grades K-3) Take a safari to Foster and Marsh Islands along the Waterfront Trail. Go on a wetland scavenger hunt, collect aquatic insects and play games. Pack comes with binoculars!

Summer Day Camp 2003 at the Arboretum

An all-day program designed for children entering 2nd through 5th grade. To register call UW Educational Outreach at 206-543-2310.

The Washington Park Arboretum is a living museum emphasizing trees and shrubs. Think of it as a zoo for trees! Come explore the Arboretum through two educational programs that integrate art, science, environmental games, and creative writing. Discover the fascinating world of plants and the ecology of an urban wetland.

NATURE DETECTIVES YOUNGER, entering Grades 2 and 3

DATES: Session A - Conf #949(A1) July 7-11
Session B - Conf #949(B1) July 14-18
FEE: $195; refund deadline 4 weeks prior to first day of class

Become a nature detective at the Arboretum this summer and use your observational skills to discover some of nature's best-kept secrets. Adopt your very own tree and write a life story (autobiography) from your tree's perspective. Follow a frog's life cycle (maybe catch one, too!) and explore pond habitat. Go wild playing plant and animal games! Tie-dye your own t-shirts to take home at the end of the week.

NATURE DETECTIVES OLDER, entering Grades 4 and 5

DATES: Session C - Conf #949 (C1) July 21-25
Session D - Conf #949 (D1) July 28-August 1
FEE: $195; refund deadline 4 weeks prior to first day of class

Come join us at the Arboretum for an amazing week-long adventure! Explore a bird sanctuary and tune into the "eyes and ears" of the forest. Choose a secret spot to visit each day and journal your new discoveries. Learn to move like your favorite animal and explore the ancient mysteries of animal tracks. Discover how local Native Americans used plants to survive. All of this and more await your arrival!

Arboretum Explorer Packs

Great for teachers, scouts, camps, daycare and other youth groups. Lead your own group on an exploration of this unique living museum. Explorer Packs are filled with fun activities, games, maps and equipment for investigating. Explorer Packs are available year-round from 10 a.m. to 3 p.m. with a required two-week pre-registration. A two-hour rental fee is $15. Explorer Packs are designed for 15 children working individually or for 30 children working in pairs.

TREE-TECTIVE Come sleuthing in the Arboretum and learn amazing facts about trees. This pack includes hand lenses, magnifiers, field guides, games and even "tree cookies!"

MARSH MADNESS Investigate the amazing critters and plants that make the wetland their home. This pack includes dip nets, aquaria, field guides, scavenger hunts and more.

SIGNS OF SPRING Focus on seed mysteries and dispersal, parts of a flower, games and more.

AUTUMN ADVENTURES Focus on leaf color change, tree adaptations, fossil and leaf identification.

Saplings School Programs

Explore the Arboretum with trained guides! School tours are Monday through Friday, 10 to 11:30 am. The cost is $2.50 per child (chaperones are free). Two adult chaperones per 15 children are required. Scholarships are available. All of Saplings' curricula are aligned with Washington state's Essential Academic Learning Requirements. Please reserve a date at least three weeks in advance.

Discover Plants
Grades K-2

Younger students gain exposure to the wonderful world of plants by using characteristics to categorize living things. Students will compare and contrast similarities between plants and people as they learn what each needs to grow and be healthy.

Wetland Ecology Walk: Focus on Habitats
Grades K-3

Explore the flora and fauna on Foster Island as you learn about who lives in the Arboretum's unique urban wetland. Learn first hand about various habitats around the Arboretum.

Life Cycle of a Plant: Fantastic Fall
Grades 3-6

As seasons change, so do the plants around us. Learn how fallen leaves cycle the nutrients back to the trees. Explore seed production and dispersal, photosynthesis and the reason leaves change color. Discover the secrets of autumn as you learn about the life cycle of plants from flower to fruit.

Wetland Ecology Walk: Focus on Ecosystems
Grades 4-8

Investigate the complex world of a wetland ecosystem. Foster Island provides a unique opportunity for students to study an urban wetland up close and discover the importance and functions of wetlands.

Native Plants and People
Grades 3-8

What is a native plant? Students will learn to identify several northwest native plants. Discover the historical importance of native plants to the Coast Salish people. Students will learn how native plants were used in daily life through discussion, hands-on artifacts and role-playing activites.

Rainforests
Grades 3-6

Through a role-playing activity students identify the four layers of tropical rainforests and see who lives there. Students will learn about the similarities and differences between temperate and tropical rainforest ecosystems. Come observe arboretum species similar to tropical species in behavior or appearance.

events calendar
FOR SUMMER 2003

JULY

2 WA Butterfly Association, 7 p.m., CUH

7 **Miller Library Drop-In Tour,** 7 p.m., CUH

14 Orchid Society, 7 p.m., CUH

15 **Salads-on-the-Go,** 7 p.m., CUH

16 **Preparing for West Nile Virus,** 7 p.m., CUH

19 **My Garden and How I Do It,** 10 a.m.

22 **Summer Pruning,** 7 p.m., CUH

24 **How to Hire the Right Landscape Help,** 7 p.m., CUH

AUGUST

4 **Miller Library Drop-In Tour,** 7 p.m., CUH

6 WA Butterfly Association, 7 p.m., CUH

8 **Garden Photography,** 7 p.m., CUH

9 **Garden Photography,** 9 a.m. and 6 p.m.

17 Cascade Cactus & Succulent Soc., 1:30 p.m., CUH

SEPTEMBER

3 WA Butterfly Assoc., 7 p.m., CUH

8 **Miller Library Drop-In Tour,** 7 p.m., CUH
Orchid Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

9 **Gardening for the Soul,** 7 p.m., CUH
PS Mycological Society, 7:30 p.m., CUH

11 Rock Garden Society, 6:30 p.m., CUH

12 NHS Plant Sale, 2:30 - 6:30 p.m., CUH
NHS Rare Plant Auction and lecture, 6:30 p.m., CUH

13 NHS Plant Sale, 9 a.m. - 4 p.m., CUH
My Garden and How I Do It, 10 a.m.

16 **Pond and Water Garden Basics,** 7 p.m., CUH
Rose Society, 7:30 p.m., CUH

21 NW Perennial Alliance, 1:00 p.m., CUH
Cascade Cactus & Succulent Soc., 1:30 p.m., CUH

22 Bonsai Association, 7:00 p.m., CUH

23 Asso. for Women in Horticulture, 6:30 p.m., CUH

30 **Lecture: Gardening with History,** 7:30 p.m., CUH

OCTOBER

3 **Tour of Dunn Garden,** 9:30 a.m., CUH

FOR CLASSES AND PROGRAMS

To Register: Please complete and return the registration form, along with your payment to the Center for Urban Horticulture. You may also register by phone using Visa or MasterCard, 206-685-8033.

Refunds: Requests for refunds on events not attended must be made in advance in writing, by phone, fax, or in person. Requests received fewer than 7 days from the first class meeting have a 25% handling fee deducted. No refunds can be made after the first class meeting. If a program is cancelled for any reason, a full refund will be made to all enrollees. Refunds may take four weeks to process.

Returned Checks: A $25 service fee will be charged for returned checks.

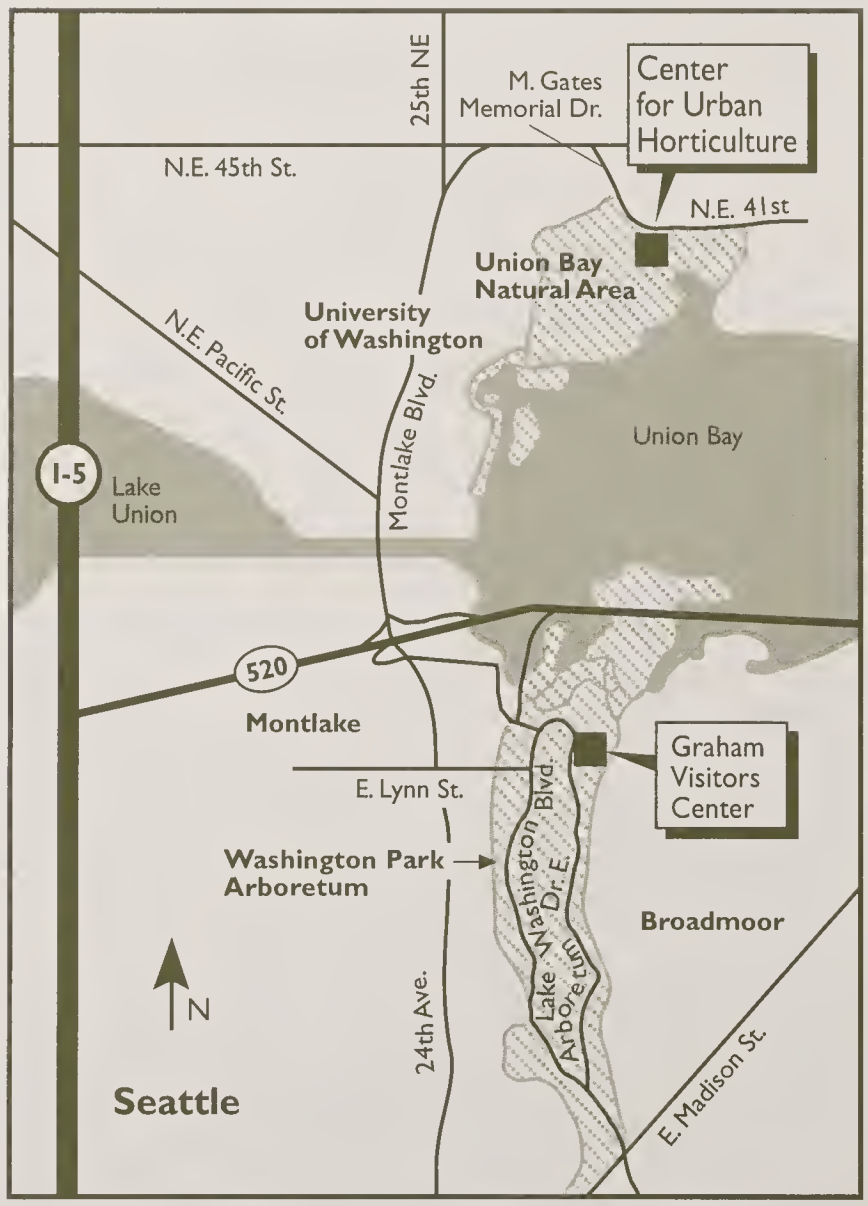
Special Needs: To request disability accommodation, please contact the Disability Services Office at least ten days in advance of an event: 206-543-6450 (voice); 206-543-6452 (TTY); or by e-mail at *dso@u.washington.edu*.

Class Locations and Parking: Program locations are listed with each program description. The Graham Visitors Center at Washington Park Arboretum is located at 2300 Arboretum Drive East. Douglas Classroom, NHS Hall and the other meeting facilities at Union Bay are located at 3501 N.E. 41st Street. Prepaid parking is located adjacent to the buildings.

Center for Urban Horticulture

Union Bay Campus
3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115
206-543-8616 (phone)
206-685-2692 (fax)
www.urbanhort.org

Washington Park Arboretum
2300 Arboretum Drive East
Box 358010
Seattle, WA 98195-8010
206-543-8800 (phone)
206-616-2871 (fax)
www.wparboretum.org



REGISTRATION FORM

CENTER FOR URBAN HORTICULTURE SUMMER 2003

PROGRAM	FEE	AF MEMBER	# PEOPLE	TOTAL FEE
HORTICULTURE PROGRAMS				
My Garden and How I Do It - Hedgepeth/Medlin Garden	$30	$25		
Summer Pruning	$25	$22		
How to Hire the Right Landscape Help	$25	$22		
Garden Photography	$90			
My Garden and How I Do It - Valhalla Garden	$30	$25		
Pond and Water Garden Basics	$25	$22		
Gardening with History	$15			
Tour of the Dunn Garden	$35			
PRACTICAL GARDENING LECTURES				
Salads To Go	$10			
Preparing for West Nile Virus	$10			
Gardening for the Soul	$10			

TOTAL FEE $

PAYMENT

☐ Check (payable to *University of Washington*) ☐ Visa ☐ MasterCard

CREDIT CARD NUMBER EXPIRATION DATE

NAME ON CARD

GENERAL INFORMATION

NAME

ADDRESS CITY STATE ZIP

DAY PHONE EVENING PHONE

FAX EMAIL

Mail payment and registration to:
Urban Horticulture Courses
University of Washington
Box 354115
Seattle, WA 98195-4115

You may also register in person at:
Union Bay campus
3501 NE 41st Street
Mon.–Fri., 8:30 a.m. to 5:00 p.m. or
phone 206-685-8033

Registrations are filled in the order received. Enrollment is limited. Classes fill rapidly, so register early.

director's notes

In late January, it seemed as if spring might arrive in all its glory by early March. Instead, April proved to be more like December. Being blessed by a relatively mild climate means that it does not take a large shift in weather for any month to appear very different than its average. This translates to a horticultural paradise, but with constant challenges for the horticulturalist.

Excitingly, the Center for Urban Horticulture is now searching for its next Director. The successful candidate will be the first to hold the "Orin and Althea Soest Chair for Urban Horticulture". This named Directorship at the University of Washington represents an empowering gift from the Soests and by the time you receive this newsletter, the successful candidate may already have been selected. We also have recently named Christine Berry to the post of Arboretum Education Coordinator. Chris brings extensive experience in children's educational program development. We welcome her to the Arboretum.

These new developments, coupled with continued success in the management and care of the grounds at both Union Bay and Washington Park Arboretum, a strong outreach and continuing education presence at both locations, the success of the Elisabeth C. Miller Library, lots of student activity, and the deliberate progress towards rebuilding Merrill Hall, provide a positive focus for the future.

Unfortunately, there are negatives. Both the State and University and therefore the Center continue to have budget difficulties. The Center, similar to all Centers in the College of Forest Resources, has been asked to take a 10% budget cut. Although the Center has creatively reorganized so as to have

(continued on page 2)

UNIVERSITY OF WASHINGTON
CENTER FOR URBAN HORTICULTURE

The CUH mission is "to apply horticulture to natural and human-altered landscapes to sustain natural resources and the human spirit."

- **Continuing and Public Education**
- **Douglas Research Conservatory**
- **Elisabeth C. Miller Library**
- **Otis Douglas Hyde Herbarium**
- **Undergraduate and Graduate Education**
- **Union Bay Gardens and Natural Area**
- **Rare Plant Care and Conservation**
- **Sustainable Community Landscapes**
- **Washington Park Arboretum**

CENTER FOR URBAN HORTICULTURE
Tom Hinckley, Ph.D., Director
3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115
206-543-8616 (phone)
206-685-2692 (fax)
www.urbonhort.org

WASHINGTON PARK ARBORETUM
John Wott, Ph.D., Director
2300 Arboretum Drive East
Box 358010
Seattle, WA 98195-8010
206-543-8800 (phone)
206-616-2871 (fax)
www.wporboretum.org

URBAN HORTICULTURE NEWSLETTER, VOL. 20, NO. 3

CUH/WPA Continuing & Public Education Staff:
Sue Nicol, Outreach Coordinator
Jean Robins, Program Coordinator
Sandy Kirchner, Assistant Outreach Coordinator
Chris Berry, Education Coordinator (Youth & Community Outreach)
Shawna Zuege, Arboretum Education Assistant

CUH/WPA Building & Rentals Management Staff:
Becky Johnson, CUH Facilities Manager
Ray Larson, CUH Facilities Coordinator
Brett Mercier, WPA Building Services Coordinator

CENTER *for* URBAN HORTICULTURE
College of Forest Resources
University of Washington
3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115

SUMMER 2003

09-9615

NON-PROFIT ORG.
U.S. POSTAGE
PAID
SEATTLE, WA
PERMIT NO. 62